Prompts:

Given the following voter data - **voter data inserted here** -

1. what party is this voter most likely to vote for in the next U.S. presidential election, only give the party.
2. Is this voter likely to vote democrat in the next U.S. presidential election? Yes or no, do not explain.
3. Is this voter likely to vote republican in the next U.S. presidential election? Yes or no, do not explain.
4. Is this voter likely to vote third party in the next U.S. presidential election? Yes or no, do not explain.
5. Is the behavior easy to predict? Yes or no, do not explain
6. Estimate the annual income of the voter with a number, do not explain.
7. Would this voter rather have small government providing fewer services or bigger government providing more services? Pick one, do not explain.
8. Does this voter think 'Business corporations make too much profit' or 'Most corporations make a fair and reasonable amount of profit'. Pick one, do not explain.

*Prompts 7 and 8 taken from https://www.pewresearch.org/politics/quiz/political-typology/

Interesting findings:

- Any value of NA indicates the LLM was unable to provide a response (typically due to a "lack of information")
- Some of the prompts, such as "will they vote democrat" got responses saying the LLM couldn't predict.
- We got some interesting results. There is inconsistency amongst the results. For example some voters were predicted as voting democrat and third party, both democrat and republican. They would also receive a prediction when asked, "democrat or republican" but received no prediction due to lack of information if asked, "will they vote democrat".
- There was also inconsistency between "will they vote democrat", "will they vote republican", and "will they vote third party". For the same voter, the LLM would provide a prediction for one category but then say there was not enough information for another party.
- Prompt 8 performed poorly in terms of producing a prediction, which is interesting considering prompt 7 only had one voter without a prediction.

Next steps:

- Need to adjust the prompts more to be more encompassing
- Need to refine the response process, it is computationally expensive and inefficient right now
- Need to refine the voter input information, including adding more voter covariates and being more intentional with the combination of covariates given to each voter